"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIKYAN, G.A.

Pharmacological properties of the alkaloid galanthine. G. A. Mednikyan and B. G. Vinikova (State Stomatol. Med. Inst., Leningrad). *Farmakol. i Toksikol.* 18, No. 5, 34-8(1955).—Galanthine from snowdrop bulbs, stimulates respiration and is hypotensive; it acts both through the central nervous system and directly on the cardiovascular system. At 0.05 g./kg. in rabbits with exptl. hypertonia it lowers blood pressure from 170–180 to 120–110 mm. It inhibits adrenaline secretion, raises the tonus of the small intestine, slows peristalsis and lowers peristaltic amplitude. It is cholinolytic and its L.D.$_{50}$ mice, 1.45 mg./kg.; L.D.$_{50}$ 1.227 mg./kg.

Julian F. Smith

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MNDZHOYAN, A.L.; MEDNIKYAN, G.A.; BABIYAN, N.A.; GAMBURYAN, A.A.; SHAKARYAN, Zh.A.

Study in the field of dibasic carboxylic acids. Part 27: Dialkylaminoethyl esters of alkylthiosuccinic acids and their curare-like activity. Izv. AN Arm.SSR. Khim. nauki 18 no.2: 186-192 '65. (MIRA 18:11)

1. Institut tonkoy organicheskoy khimii AN ArmSSR. Submitted April 9, 1964.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIKYAN, G.A., zasluzhennyy deyat' nauki, doktor med. nauk, prof.

Nikolai Pavlovich Kravkov, 1865-1924; his life and scientific activity (the 100th anniversary of his birth). Izv. AN Arm. SSR. Biol. nauki 18 no.4:82-89 Ap '65. (MIRA 18:5)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

PORTNOV, F.G., kand. med. nauk; MEDNIS, A., red.; MIRONOV, A., tekhn. red.

[Health resorts of Soviet Latvia] Zdravnitsy Sovetskoi Latvii. Izd.2., perer. i dop. Riga, Latviiskoe gos. izd-vo, 1956. 77 p. (MIRA 16:6)
(LATVIA--HEALTH RESORTS, WATERING PLACES, ETC.)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

14(5) SOV/112-59-5-9631

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 5, p 169 (USSR)

AUTHOR: Shteyn, S. A., Fershtenfel'd, A. A., Mednis, E. E., and Kritskiy, Ye. L.

TITLE: Comparative Tests of Various Methods of Automatic Control for Ball Mills

PERIODICAL: Obogashcheniye rud, 1957, Nr 6, pp 55-66

ABSTRACT: Three methods of automatic control of mill operation were tested at the Noril'sk concentrating plant: constant weight of feed, constant noise, and constant circulating load; the tests were conducted from January, 1956, to April, 1957. A short description and a comparison of the above control methods are given. Seventeen illustrations.

A.A.S.

Card 1/1

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MAD, I.A.; MEDNIS, E.P.

Radioactive isotopes and the tanning extract industry. Kozh.-obuv. prom. 3 no.2:12-13 F '61. (MIRA 14:4)

1. Nachal'nik tekhnicheskogo otdeleniya kozhevenno-ekstraktovo-obuvnogo kombinata "Blasma" (for Mad). 2. Nachal'nik ekstraktovogo zavoda kozhevenno-ekstraktovo obuvnogo kombinata "Blasma" (for Mednis).

(Tanning materials)
(Radioisotopes--Industrial applications)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

CHUDARS, Ya.[Cudars,J.](Riga); TAURE,I.(Riga); MEDNIS,I.(Riga); VEVERIS,O.(Riga)

Determination of boron concentration in the gaseous mixtures by the help of neutron beams. In Russian. Vestis Latv ak no.3:57-64 '60. (EEAI 10:7)

1. Akademiya nauk Latviyskoy SSR, Institut fiziki.
(Boron) (Gases) (Neutrons)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, [illegible]; ANDREYEVA, N., spets. red.; ZUBOVA, G., red.

[Innovations in the mechanization of repair work] Novoe v mekhanizatsii remontno-stroitel'nykh rabot. Riga, Latviiskii respubl. in-t nauchno-tekhn. informatsii i propagandy, 1964. 63 p. (MIRA 18:1)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, K.; KAKHAN, L.[translator]; PLOTKE, I., red.; AYZUPIYETE, M. [Aizupiete, M], tekhn. red.

[IAkov Alksnis; life in aviation] IAkov Alksnis; zhizn' v aviatsii. Pod red. K.Graudina. Riga, Latviiskoe gos. izd-vo, 1961. 160 p. (Alksnis, IAkov Ivanovich, 1897-1937) (MIRA 14:12)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

DOLGIN, I.M., kand.geograf.nauk; NIKOLAYEVA, T.V., mladshiy nauchnyy sotrudnik; BASOVA, L.G., mladshiy nauchnyy sotrudnik; VORONTSOVA, L.I., mladshiy nauchnyy sotrudnik; DANILOVA, V.M., mladshiy nauchnyy sotrudnik; KOVROVA, A.M., mladshiy nauchnyy sotrudnik; SERGEYEVA, G.G., mladshiy nauchnyy sotrudnik; SMIRNOVA, V.N., mladshiy nauchnyy sotrudnik; KHARITONOVA, L.I., mladshiy nauchnyy sotrudnik; ALEKSANDROV, V.F., aerolog; KUZNETSOV, O.M., aerolog; MAYOROVA, L.A., aerolog; POSTNIKOVA, D.G., aerolog; SMIRNOVA, I.P., aerolog; VASIL'YEVA, R.P., tekhnik; MEDVIS, L.V., tekhnik; KHARITONOVA, V.A., tekhnik; KHRUSTALEVA, N.K., red.; DROZHZHINA, L.P., tekhn.red

[Aerological observations of Arctic stations during the period from June 30 through December 31, 1957] Aerologicheskie nabliudeniia poliarnykh stantsii s 30 iiunia po 31 dekabria 1957 g. Leningrad, Izd-vo "Morskoi transport," 1961. 994 p. ([illegible]icheskii i antarkticheskii nauchno-issledovatel'skii institut Trudy, vol.243)
(MIRA 14:11)

(Arctic regions—Meteorology—Observations)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, Lev Vladimirovich; RAPOPORT, Yefim Naumovich; REYNOV, Mikhail Naumovich; KAMOLOVA, V.M., tekhnicheskiy redaktor.

[Using calculating machines in shipbuilding computations] Ispol'zovanie schetnoi tekhniki v sudostroitel'nykh raschetakh. Pod red. M.N.Reinova. Leningrad, Gos.soiuznoe izd-vo sudostroit. prom-nysh., 1956. 125 p. (MLRA 9:5)
(Calculating machines) (Shipbuilding)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

1. MEDNIS, M.

2. USSR (600)

4. Irrigation Farming

7. Effect of the irrigation system on different varieties of cotton. Khlopkovodstvo no. 6, 1951

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, M. P.

Polivy khlopchatnika v zavisimosti of skorospelosti sorta i vysoty urozhaia [Cotton plant irrigation depending on the early ripening of the variety and on heaviness of yield]. Tashkent, Izd-vō AN Uz SSR, 1953. 104 p

SO: Monthly List of Russian Accessions, Vol 6 No. 8 November 1953

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, M.P.; BESEDIN, P.N., red.

[Planting cotton in square and rectangular checkrows with narrow interrows] Kvadratno-gnezdovoi i priamougol'no-gnezdovoi sposoby vozdelyvaniia khlopchatnika na suzhennykh mezhdurias'iakh. Tashkent, SAGU, 1955. 35 p. (MIRA 13:12)
(Cotton growing)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, M.P.

Dry matter accumulation and cotton yield in stands of different density. Fiziol.rast. 2 no.1:52-61 Ja-F '55. (MIRA 8:9)

1. Ak-Kavakskaya TSentral'naya agrotekhnicheskaya opytnaya stantsiya Soyuz Nauchno-issledovatel'skogo khlopkovogo instituta
(Cotton) (Plants, Space arrangement of)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, M.P.

[Water balance of cotton planted in checkrows] Vodnyi rezhim khlopchatnika pri kvadratno-gnezdovom sposobe poseva. Tashkent, Izd-vo Akad. nauk UzSSR, 1956. 31 p. (MIRA 16:1)
(Cotton--Irrigation)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, MAKSIMILIAN PETROVICH

DUDKO, Andrey Yevstaf'yevich; MEDNIS, Maksimilian Petrovich; CHUMACHENKO, Ivan Nikolayevich; KOTIKOVA, Vera Nikolayevna; BESEDIN, P.N., kand. sel'skokhozyaystvennykh nauk, red.; ZHURAVLEV, B.S., red.; DEMIDOVA, L.F., tekhn.red.

[Cotton cultivation practices and the economic effectiveness of checkrowing] Agrotekhnika i ekonomicheskaia effektivnost' kvadratno- i priamougol'no-gnezdovykh posevov khlopchatnika. Pod red. P.N.Besedina. Tashkent, Gos.izd-vo Uzbekskoi SSR, 1956. (MIRA 10:12)
90 p.

(Cotton growing)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, N. P.

ALEKSANDROV, A.S., kandidat sel'skokhozyaystvennykh nauk; VARUNTSYAN, I.S., akademik; GUSHCHIN, B.F., agronom; MEDNIS, N.P., kandidat sel'skokhozyaystvennykh nauk; SOKOLOV, F.A., kandidat sel'skokhozyaystvennykh nauk; LEGOSTAYEV, V.M., kandidat sel'skokhozyaystvennykh nauk; CHUVAKHIN, V.S., entomolog; CHUMANOV, Yakov Ignat'yevich, doktor sel'skokhozyaystvennykh nauk [deceased]; CHELYSHKIN, Yu.G., redaktor; VESKOVA, Ye.I., tekhnicheskiy redaktor

[Cotton growing] Khlopkovodstvo. Pod red. IA.I.Chumanova i V.S. Chuvakhina. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1956. 407 p.
(Cotton growing) (MLRA 10:9)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

COUNTRY : USSR
CATEGORY : Cultivated Plants. Commercial. Oleiferous. Sugar-Bearing.
ABS. JOUR. : RZhBiol., No. 4, 1959, No. 15722

AUTHOR : Mednis, M.P.
INST. :
TITLE : Density of Stand and Watering Conditions of Cotton Plants.

ORIG. PUB. : v sb.: Materialy Ob"yedin. nauchn. soveshch. po khlopkovodstvu. T.2. Tashkent, Gosizdat, UzSSR, *

ABSTRACT : The findings of many research institutes are cited in the study of the interconnection of stand density and various watering conditions of cotton plants. With heightening of stand density the cotton plant reacts more sharply to improvement of the soil water conditions and with deterioration of irrigation conditions the crop yield declines in greater degree than with sparser placement of plants. The spacing between waterings has to be somewhat shortened for maintenance of optimal soil moisture (60 to 70 %

CARD: 1/2 *1958, 274-281

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, M.P.

COUNTRY : USSR
CATEGORY : Cultivated Plants. Commercial. Oleiferous. Cotton-Bearing.
ABS. JOUR. : RZhBiol., No. 4, 1959, No 15721

AUTHOR : Mednis, I.P.
INST. : —
TITLE : Irrigation of Cotton Plants with Narrowed Inter-rows and Square-Nest Placement.

ORIG. PUB. : V sb.: Khlopkovodstvo v USSR.M., Sel'khozgiz, 1958, 369-378

ABSTRACT Sowing with narrow inter-rows heightens shading and creates among the plants a higher temperature and relative air humidity, which in case of frequent waterings in large quotas determines tenderness of the plants and late ripening of the bolls. In the Tadzhik SSR when cotton plants are placed in the 60 x 60 cm and the 45 x 45 cm schemes, moisture-charging waterings are employed in winter or before the spring sowing. In meadow soils with shallow level of ground waters (1 to 2 m) this

CARD: 1/2

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

CATEGORY :

ABS. JOUR. : RZhBiol., No. 4, 1959, No. 15721

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT makes it possible to carry out the first vegetation watering in the budding phase and even at the start of flowering. In sierozems with deep ground water level retention of the first watering to budding can have an unfavorable effect on the accumulation of the cotton crop. The use is recommended of portable pipe-drains for economy of irrigation water and raising the productivity of labor, and also doing the watering of each consolidated section not more frequently than in two to three days. -- B.L. Ilyuchko-Gurvich

CARD: 2/2

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

SOKOLOV, F.A., kand. sel'khoz. nauk; KOKUYEV, V.I., kand. sel'-khoz. nauk; SHAFRIN, A.N., zasl.agr.Uzb.SSR; KONDRATYUK, V.P., kand. sel'khoz. nauk; MALINKIN, N.P., doktor sel'khoz. nauk; YEREMENKO, V.Ye., doktor sel'khoz. nauk [deceased]; MEDNIS, M.P., kand.biol. nauk; FILIPPENKO, G.I., kand. sel'khoz. nauk; USPENSKIY, F.M., kand. biol. nauk; SOLOV'YEVA, A.I., kand. sel'khoz. nauk; PRUGALOV, A.M., kand.sel'khoz. nauk [deceased]; ZAKIROV, T.S., kand. sel'khoz. nauk; FRENKIN, V.M., zasl. mekhanizator UzSSR; GORELIK, I.M., red.; ABBASOV, T., tekhn. red.

[Cultivation practices in cotton growing] Agrotekhnika khlopchatnika. Tashkent, Gos.izd-vo UzSSR, 1963. 326 p. (MIRA 17:1)

(Uzbekistan--Cotton growing)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, Ya.

"Malysh," the portable electric hoist. Zhil.-kom. khoz. 10 no.10: 27-28 '60. (MIRA 13:10)

1. Zaveduyushchiy proizvodstvom remontno-stroitel'noy kontory No.1 Proletarskogo rayona, g.Riga.
(Riga--Hoisting machinery--Electric driving)

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MEDNIS, Ya.

"Malysh -1" portable hoist. Zhil.-kom. khoz. 11 no.2:25 F '61.
(MIRA 14:5)

1. Zaveduyushchiy proizvodstvom remontno-stroitel'noy kontory No.1 Proletarskogo rayona, g. Riga.
(Hoisting machinery)
(Apartment houses--Maintenance and repair)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, Ya. [Mednis, J.]

Portable combined stand and workbench. Zhil.-kom.khoz. 12 no.6:22 Je '62. (MIRA 15:12)

1. Starshiy master Remontno-stroitel'nogo upravleniya, Riga.
(Buildings—Repair and reconstruction)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, Ya. [Mednis, J.]

Multipurpose little electric machine. Zhil.-kom. khoz. 13 no.1:26-27 '63. (MIRA 16:3)

1. Zaveduyushchiy proizvodstvom remontno-stroitel'nogo upravleniya, Riga.

(Electric machinery)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, Ya. [Mednis, J.]

Attachment for the "Malysh-1" crane. Zhil.-kom. khoz. 11 no.12: 32-33 D '61. (MIRA 16:11)

1. Starshiy master remontno-stroitel'nogo upravleniya Proletarskogo rayona, g. Riga.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

38185. MEDNIS, YA. A.

Podkormochnoye opryskivaniye tsvetkov (tsvetushchego travostoya) krasnogo klevers i drugikh rasteniy kak priem povysheniya urozhaynosti. Trudy Vsesoyuz. Opyt. stantsii zhivotnovodstva, vyp. 1, 1949, s. 159-80. Bibliogr: 10 Nazv.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, YA. A.

Plants - Nutrition

Feeding plants through leaves.
Sov. agron 10, No. 7, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNIS, YA. A.

Straw

Processing straw and chaff for cattle. Sots. zhiv. 14 no. 3, 1952

9. Monthly List of Russian Accessions, Library of Congress, June 1952 Uncl.

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

Country : USSR
CATEGORY : CULTIVATED PLANTS. Grains. Leguminous Grains. Tropical Cereals
ABS. JOUR. : RZBiol., No. 1 1959, No. 1578

AUTHOR : Mednis, Ya. A.
INST. : Yaroslavl' Agric. Inst.
TITLE : Crossrow Planting with Ordinary and Narrow Row Drills.

CRIG. PUB. : T., Yaroslavsk. s.-kh. in-ta, 1957, 4, 124-133

ABSTRACT : Experiments and production planting of grain crops by the crossrow method have been made in Yaroslavskaya Oblast since 1932. In the experiment made by Yaroslavl' Agricultural Institute with row placement of oats the number of plants on 1 m^2 was 304, while with crossrow sowing it was 371; bushiness was correspondingly 1.1 and 1.3; the number of grains in 50 panicles was 2116 and 1467; their weight was 39.3 and 31.2 g; the grain

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

COUNTRY :
CATEGORY : CULTIVATED PLANTS.
ABS. JOUR. : RZBiol., No. 1 1959, No. 1578

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : yield was 12.33 and 15.56 centners per ha. In 1953 when flax was sown by the ordinary row method with 15 cm between the rows 25.0 centners per ha. of straw and 4.89 of seeds were harvested, with narrow rows having 7.5 cm space between the rows they were 4.98 and 0.13 centners per ha. higher, while the yield boost ran up to 10.65 and 0.84 cnt/ha with crossrow-narrowrow planting. Diamant summer wheat grain yield reached 21.4 cnt/ha

CARD: 2/3

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

USSR / Soil Science. Cultivation. Melioration, Erosion. J

Abs Jour: Ref Zhur-Biol., No 21, 1958, 95779.

Author : Modnis, Ya. M.; Karetin, N. I.
Inst : Yaroslavl Agricultural Institute.
Title : Differential Plowing. (Preliminary Report).

Orig Pub: Tr. Yaroslavsk., s.-kh. in-ta, 1957, 4, 324-325.

Abstract: No abstract.

Card 1/1

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

PHASE I BOOK EXPLOITATION SOV/4716

Medniyek, Bruno Ernestovich, and Vol'demar Petrovich Bushs

Mnogopozitsionnyye shtampovochnyye avtomaty (Automatic Multistation Stamping Machines) Moscow, Mashgiz, 1960. 47 p. 5,000 copies printed.

Reviewer: M. I. Sverdlov, Candidate of Technical Sciences; Ed.: D. A. Vayntraub; Ed. of Publishing House: A. I. Varkovetskaya; Tech. Ed.: O. V. Speranskaya; Managing Ed. for Literature on Machine-Building Technology (Leningrad Department, Mashgiz): Ye. P. Naumov, Engineer.

PURPOSE: This booklet is intended for technical personnel in stamping production and may also be useful to qualified workers.

COVERAGE: The authors describe the construction and operation of automatic stamping presses produced at the Rizhskiy zavod VEF (Valsts Elektrotechniska Fabrika--State Electrotechnical Factory in Riga). These multistation machines, with a pressure up to 1.5 tons, produce blanks from band. The blanks are connected with each other, and separated only at the last operation. Steel and

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nonferrous band are the materials worked. No personalities are mentioned. There are no references.

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Introduction 3

1. General Information on the Arrangement of Multistation Automatic Stamping Presses 5

2. Automatic Forming Presses for Making [Small] Parts With Plane Portions 9

3. Automatic Forming Presses for Making [Small] Parts With Cylindrical Portions 17

4. Automatic Continuous Forming Press With Rollers 24

5. Automatic Forming-and-Assembling Machines 28

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNOV, A.

Life confirms, "right!" Okhr. truda i sots. strakh. 5 no.9:6-7 S '62. (MIRA 16:5)

1. Nachal'nik TSentral'noy laboratorii ventilyatsii i kondi-tsionirovaniya vozdukha.
(Dnepropetrovsk region--Factories--Air conditioning)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNOV, G.

We fulfill our obligations. Zhil.-kom. khoz. 11 no.7:13 Jl '61.
(MIRA 14:7)
(Moscos--Water supply)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDNOV, N.

"A wire for the tuning dial."

So. Radio, Vol. 2, p. 51, 1952

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S/262/62/000/002/010/017
I008/I208

AUTHOR: Rajsigl, František and Medo, Desider

TITLE: A valve for braking by means of the engine

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 2, 1962, 55, abstract 42.2.305. P. Czech. patent, class 46b[1], 23, 63c, 51/13, no. 92471, October 15, 1959

TEXT: A design is proposed of a double valve installed in the cylinder head of a four stroke engine The. valve head can move within certain limits along the stem. The stem is made as a second valve and has a thickening on the valve head. As braking is commenced a lever from the driver's cabin opens the valve completely and as braking is continued the stem moves partly and opens the second valve. Simultaneously the engine's fuel pump is disconnected. There are 3 figures.

[Abstracter's note: Complete translation.]

Card 1/1

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MEDO, Martin, inz.

Unification of plywood products may reduce the consumption of wood. Drevo 18 no.8:287-290 Ag '63.

1. Preglejka, n.p., Zarnovica.

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S/141/60/003/005/023/026
E192/E382

9,1700 (also 3402)

AUTHORS: Shtyrov, A.I. and Medoks, A.G.

TITLE: Investigation of the Electrical Homogeneity of a Periodic Structure by the Interference Method

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, 1960, Vol. 3, No. 5, pp. 906 - 907

TEXT: It was pointed out in an earlier work (Ref. 1) that the interference method can be used for determining the position of individual nonhomogeneities in periodic structures. The experimental investigation of this possibility was effected by means of equipment consisting of a signal-generator operating at wavelengths of 16-33 cm, a T-attenuator permitting in-phase feeding of a pair of electrical antennae and a rectangular comb structure having a height $h = 3.8$ cm. A special mechanism was employed for controlling the distances between antennae and moving the antennae along the comb structure. The measurements were carried out at a wavelength of $\lambda = 16.5$ cm, which corresponded to the $c/v_\Phi = 2.7$ (v_Φ is the

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E192/E382

Investigation of the Electrical Homogeneity of a Periodic Structure by the Interference Method

phase velocity of the wave). An inhomogeneity was introduced into the comb structure (one groove was closed) and the standing-wave pattern was taken by means of a movable indicator probe. It was found that determining the position of the non-homogeneity by this method presented some difficulties since this was based on the distortion of the standing-wave pattern. The problem was even more complicated if several non-homogeneities were present. Consequently, the comb structure with the same inhomogeneity was investigated by the interference method by means of two movable in-phase antennae whose distance was $\Lambda/2$, Λ being the length of the wave slowed down in the comb structure. While moving a pair of such antennae through the region occupied by the nonhomogeneity the symmetry of excitation of the system was perturbed and the indicator probe showed a peak which is characteristic of the interference pattern. Such a peak is illustrated in Fig. 2. Similar

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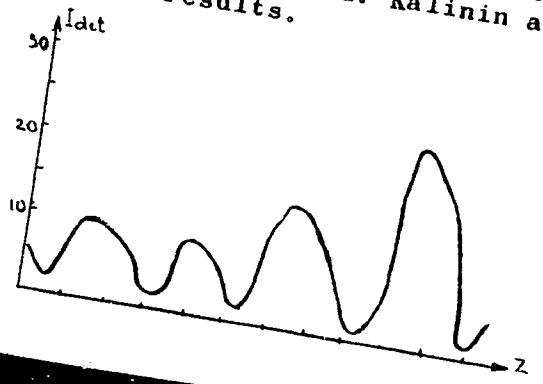
E192/E382

Investigation of the Electrical Homogeneity of a Periodic Structure by the Interference Method

measurements were carried out for the case of a nonhomogeneity formed by two wires shorting two neighbouring grooves at a depth equal to one-half the depth of the comb structure. The above method permits determination of the position of a homogeneity with an error of the order $\lambda/2$. The authors express their gratitude to V.I. Kalinin and G.M. Gershteyn for discussing the results.



Card 3/4

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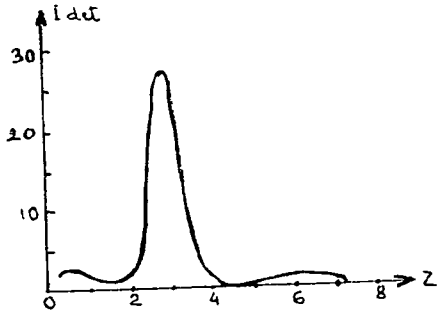
Investigation of the Electrical Homogeneity of a Periodic Structure by the Interference Method



There are 2 figures and 1 Soviet reference.

ASSOCIATION: Saratovskiy gosudarstvennyy universitet (Saratov State University)

SUBMITTED: December 17, 1959

Card 4/4

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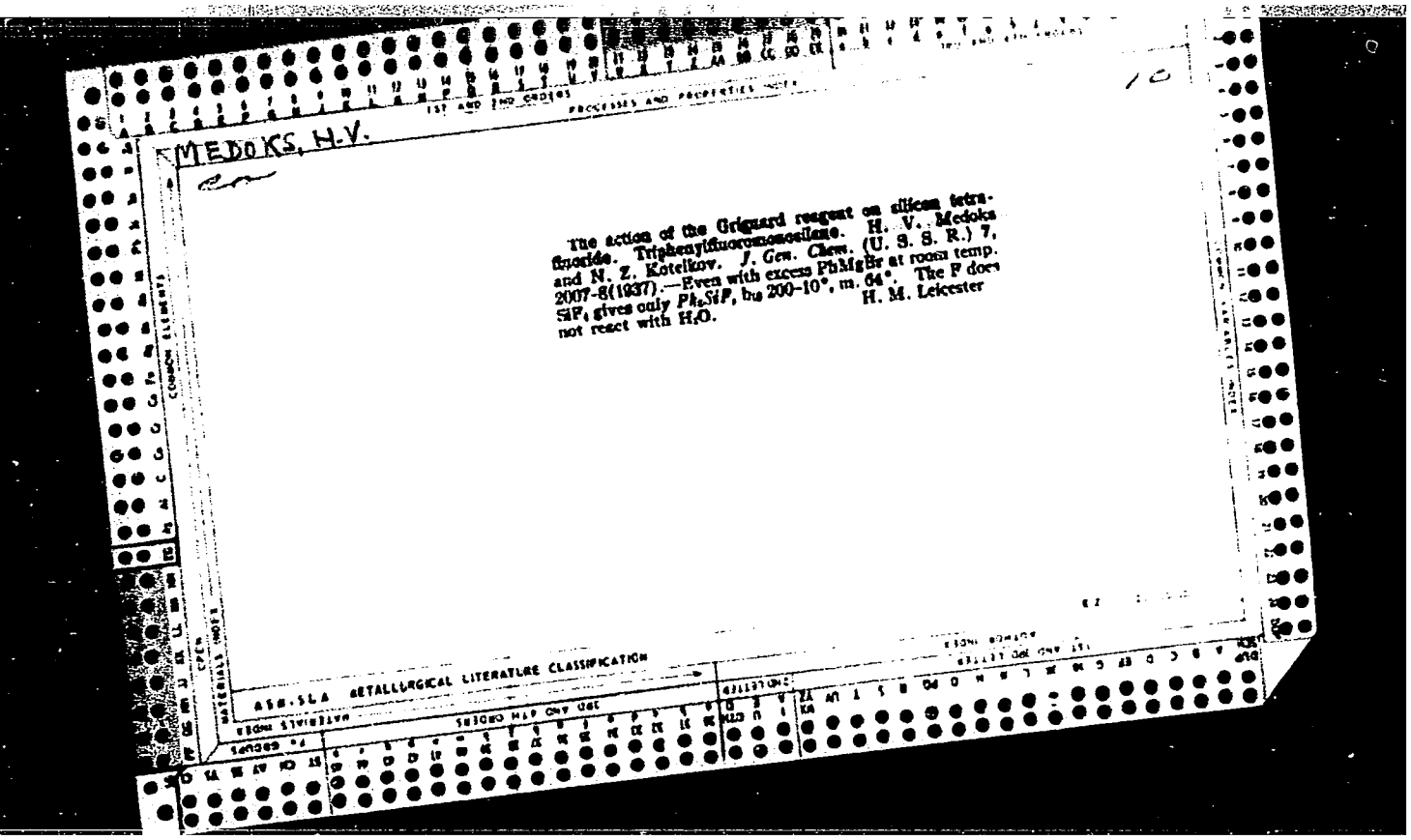

MEDOKS, H.V.

The action of the Grignard reagent on silicon tetrafluoride. Triphenylfluoromonosilane. H. V. Medoks and N. Z. Kotelkov. *J. Gen. Chem.* (U. S. S. R.) 7, 2007-8(1937).—Even with excess $PhMgBr$ at room temp. SiF_4 gives only Ph_3SiF, bu 200–10°, m. 64°. The F does not react with H_2O.

H. M. Leicester

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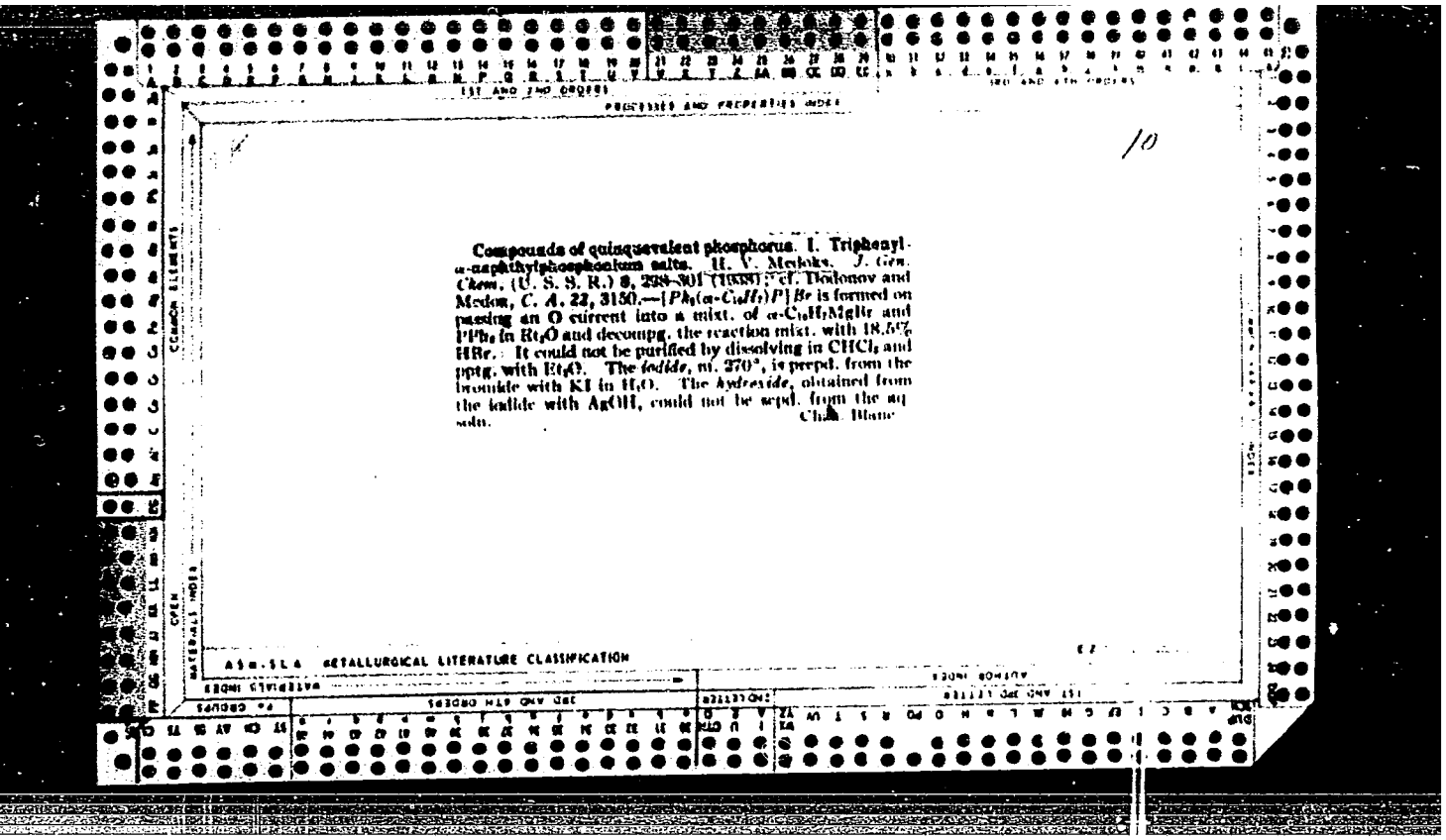

Compounds of quinquevalent phosphorus. I. Triphenyl-α-naphthylphosphonium salts. H. V. Meloks. *J. Gen. Chem.* (U. S. S. R.) 9, 298-301 (1939); cf. Tholonov and Medon, *C. A.* 22, 3150.—[$Ph_3(\alpha\text{-}C_{10}H_7)P$]*Br* is formed on passing an O current into a mixt. of α-$C_{10}H_7MgBr$ and PPh_3 in Et_2O and decomps. the reaction mixt. with 18.5% HBr. It could not be purified by dissolving in $CHCl_3$ and pptg. with Et_2O. The *iodide*, m. 370°, is prepd. from the bromide with KI in H_2O. The *hydroxide*, obtained from the iodide with AgOH, could not be sepd. from the aq soln.

Chas. Blanc

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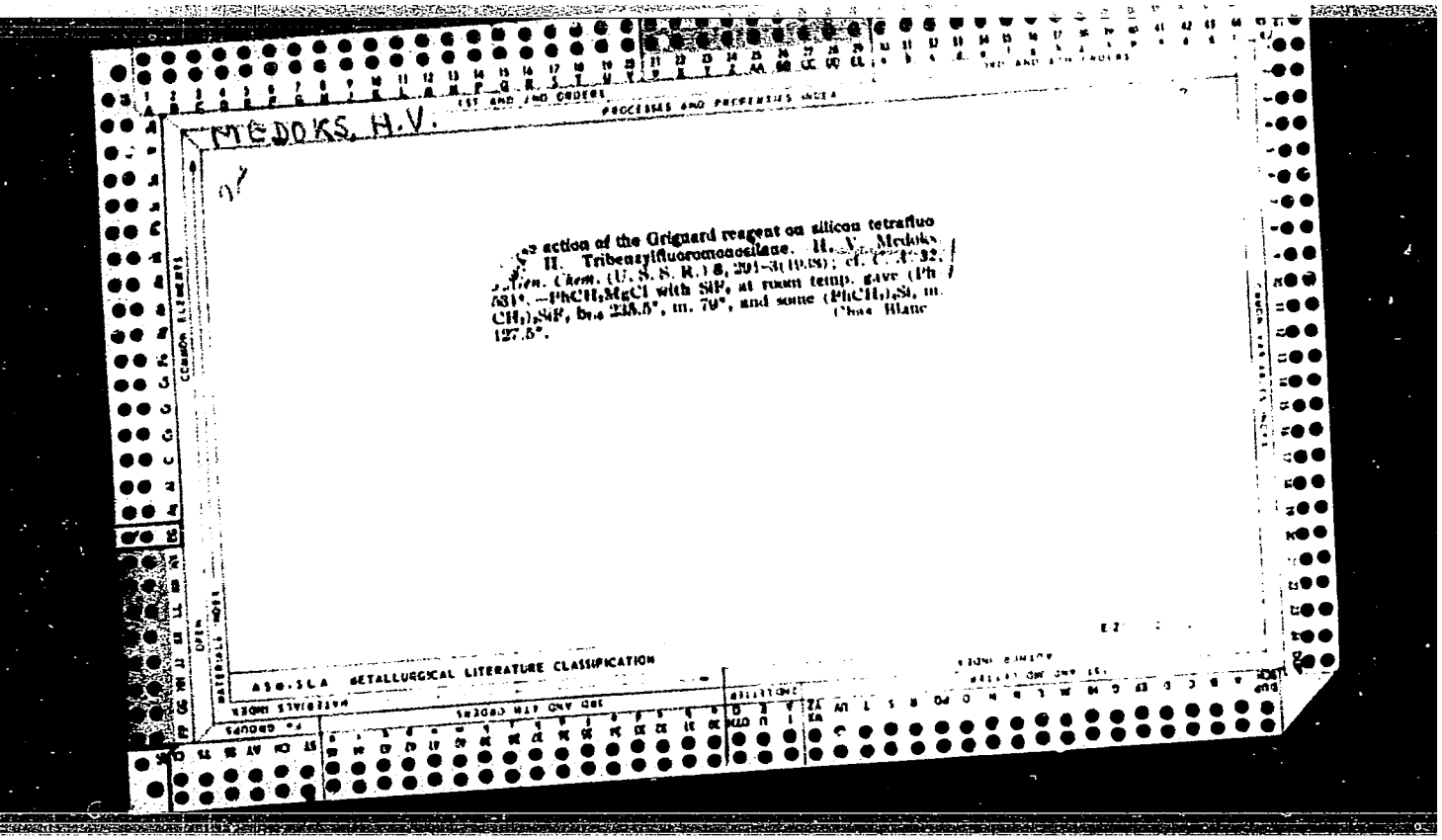

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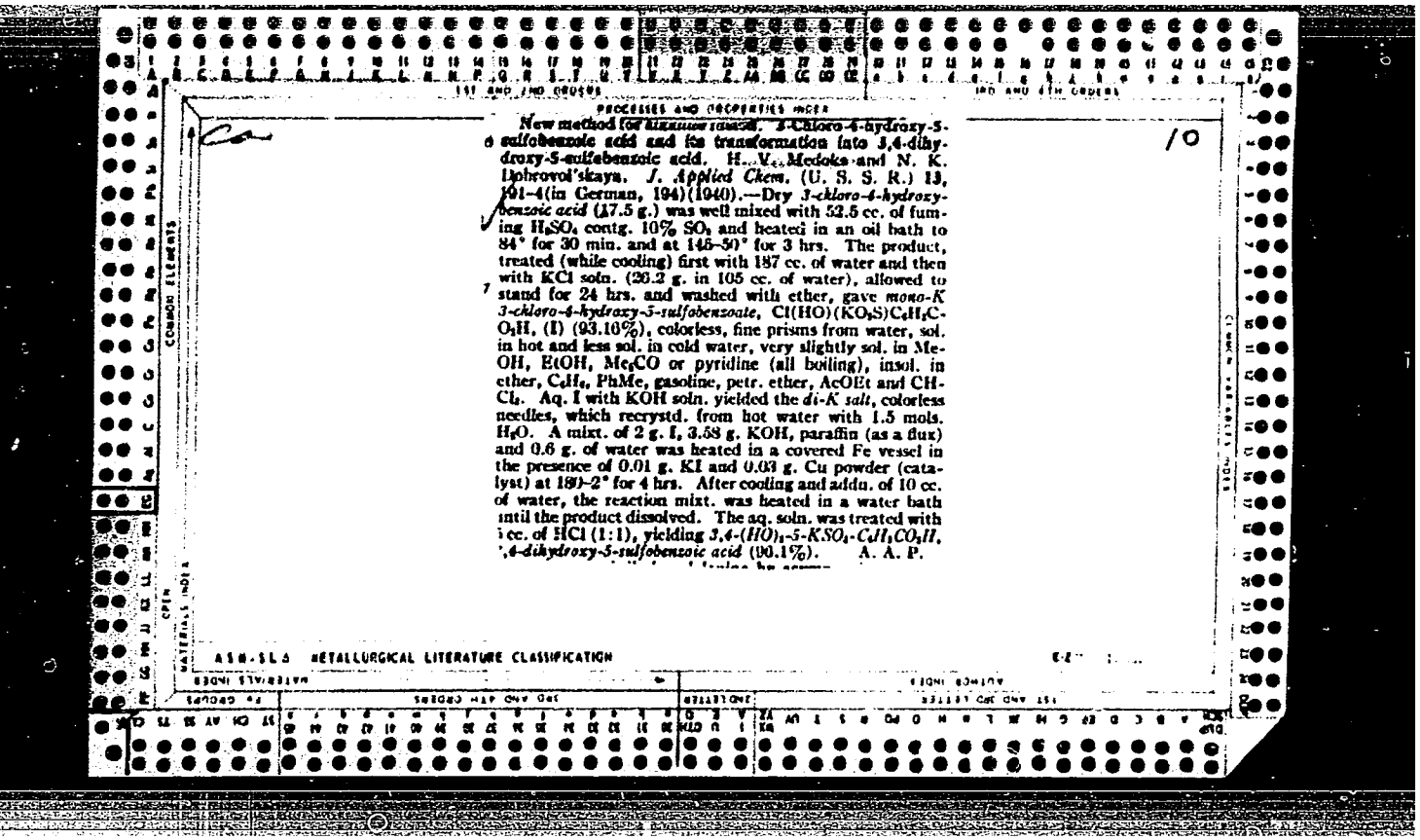

PROCESSES AND OPERATIONS INDEX

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New method for titration of 3-Chloro-4-hydroxy-5-sulfobenzoic acid and its transformation into 3,4-dihydroxy-5-sulfobenzoic acid. H. V. Medoks and N. K. Liphrovol'skaya. *J. Applied Chem.* (U. S. S. R.) 13, 101–4(in German, 104)(1940).—Dry *3-chloro-4-hydroxybenzoic acid* (17.5 g.) was well mixed with 52.5 cc. of fuming H_2SO_4 contg. 10% SO_3 and heated in an oil bath to 84° for 30 min. and at 145–50° for 3 hrs. The product, treated (while cooling) first with 187 cc. of water and then with KCl soln. (26.2 g. in 105 cc. of water), allowed to stand for 24 hrs. and washed with ether, gave *mono-K 3-chloro-4-hydroxy-5-sulfobenzoate*, $Cl(HO)(KO_3S)C_6H_2CO_2H$, (I) (93.10%), colorless, fine prisms from water, sol. in hot and less sol. in cold water, very slightly sol. in MeOH, EtOH, Me_2CO or pyridine (all boiling), insol. in ether, C_6H_6, PhMe, gasoline, petr. ether, AcOEt and $CHCl_3$. Aq. I with KOH soln. yielded the *di-K salt*, colorless needles, which recrystd. from hot water with 1.5 mols. H_2O. A mixt. of 2 g. I, 3.58 g. KOH, paraffin (as a flux) and 0.6 g. of water was heated in a covered Fe vessel in the presence of 0.01 g. KI and 0.03 g. Cu powder (catalyst) at 180–2° for 4 hrs. After cooling and addn. of 10 cc. of water, the reaction mixt. was heated in a water bath until the product dissolved. The aq. soln. was treated with 5 cc. of HCl (1:1), yielding *3,4-$(HO)_2$-5-KSO_3-$C_6H_2CO_2H$, 3,4-dihydroxy-5-sulfobenzoic acid* (90.1%). A. A. P.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

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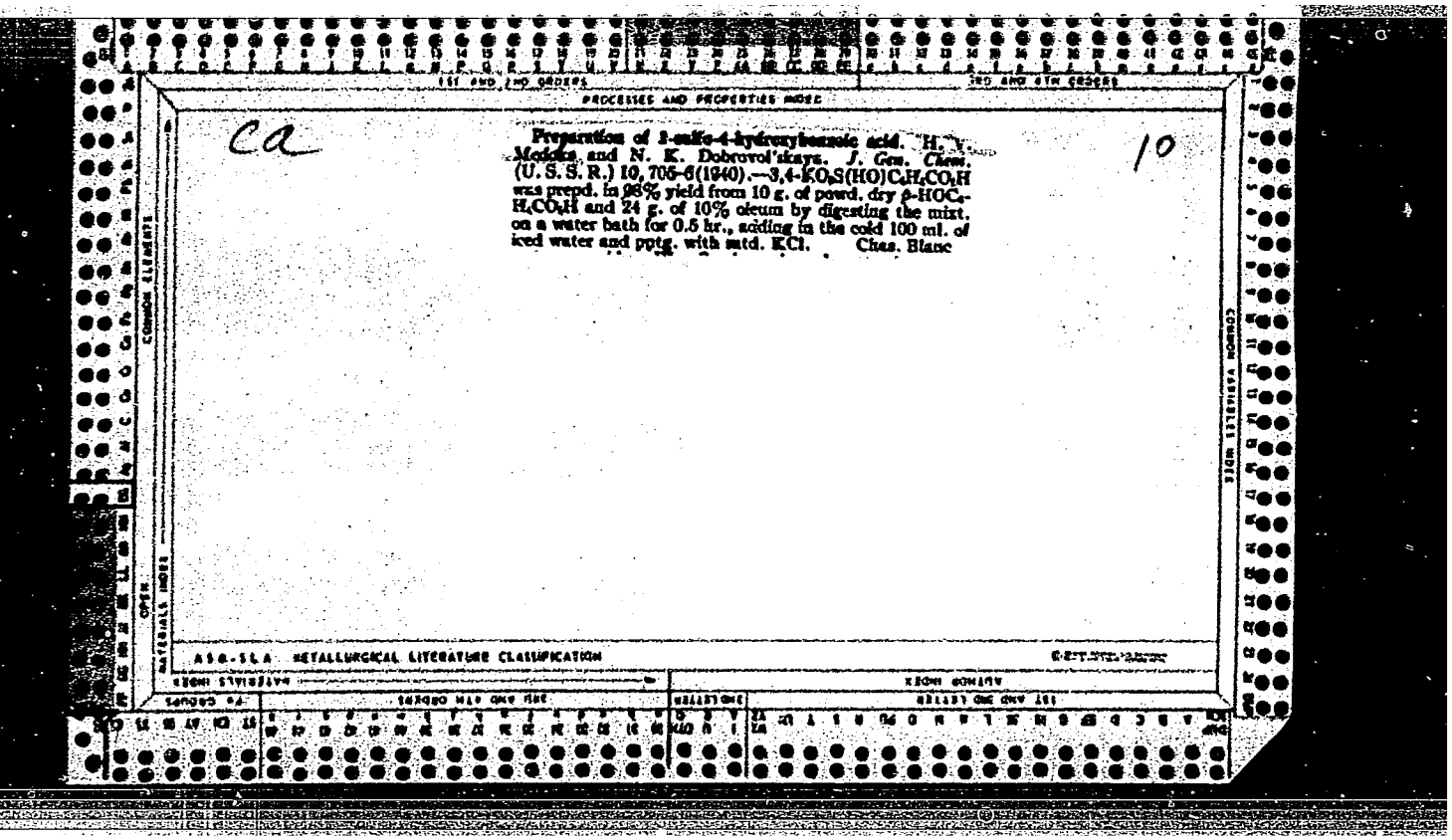

ca

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Preparation of 3-sulfo-4-hydroxybenzoic acid. H. V. Molotka and N. K. Dobrovol'skaya. *J. Gen. Chem.* (U. S. S. R.) 10, 705-6(1940).—3,4-$KO_3S(HO)C_6H_3CO_2H$ was prepd. in 98% yield from 10 g. of powd. dry p-$HOC_6H_4CO_2H$ and 24 g. of 10% oleum by digesting the mixt. on a water bath for 0.5 hr., adding to the cold 100 ml. of iced water and pptg. with satd. KCl. Chas. Blanc

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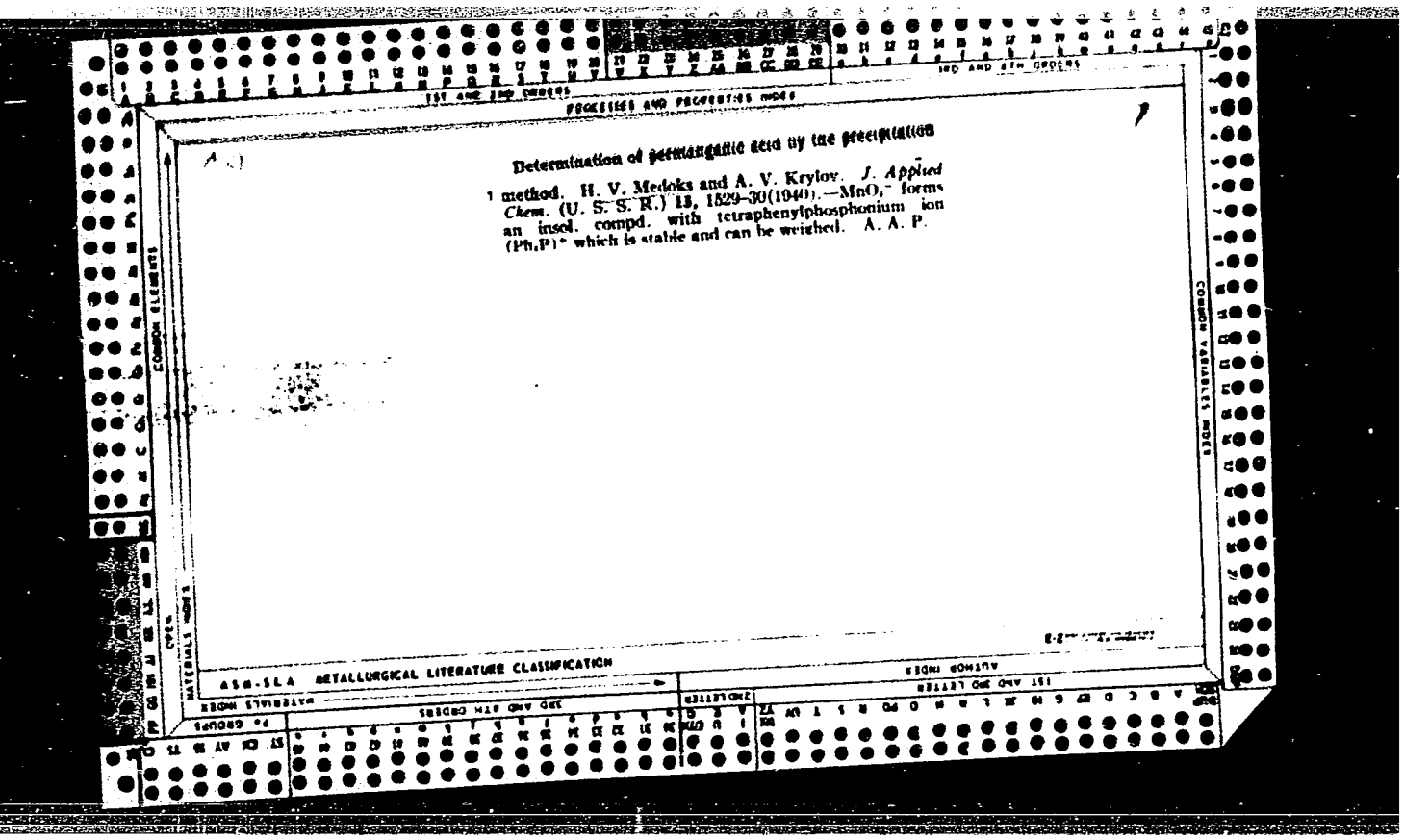

Determination of permanganic acid by the precipitation

1 method. H. V. Medoks and A. V. Krylov. *J. Applied Chem.* (U. S. S. R.) 13, 1529–30(1940).—MnO_4^- forms an insol. compd. with tetraphenylphosphonium ion $(Ph_4P)^+$ which is stable and can be weighed. A. A. P.

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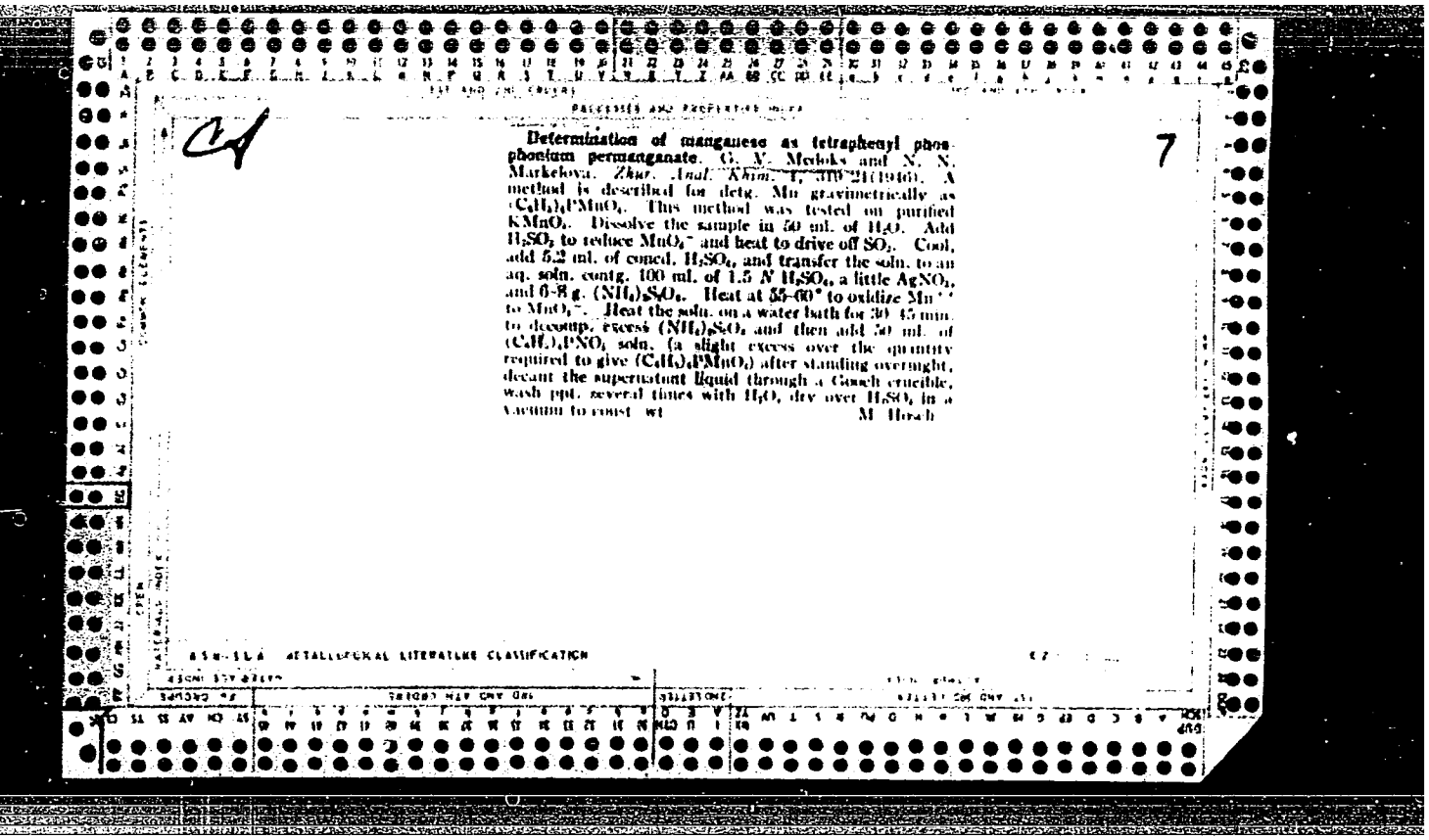

Determination of manganese as tetraphenyl phosphonium permanganate. G. V. Mednikova and N. N. Markelova. *Zhur. Anal. Khim.* 1, 319-21(1946). A method is described for detg. Mn gravimetrically as $(C_6H_5)_4P'MnO_4$. This method was tested on purified $KMnO_4$. Dissolve the sample in 50 ml. of H_2O. Add H_2SO_3 to reduce MnO_4^- and heat to drive off SO_2. Cool, add 5.2 ml. of concd. H_2SO_4, and transfer the soln. to an aq. soln. contg. 100 ml. of 1.5 *N* H_2SO_4, a little $AgNO_3$, and 6-8 g. $(NH_4)_2S_2O_8$. Heat at 55-60° to oxidize Mn^{++} to MnO_4^-. Heat the soln. on a water bath for 30-45 min. to decomp. excess $(NH_4)_2S_2O_8$ and then add 50 ml. of $(C_6H_5)_4PNO_3$ soln. (a slight excess over the quantity required to give $(C_6H_5)_4PMnO_4$) after standing overnight, decant the supernatant liquid through a Gooch crucible, wash ppt. several times with H_2O, dry over H_2SO_4 in a vacuum to const. wt. M. Hirsch

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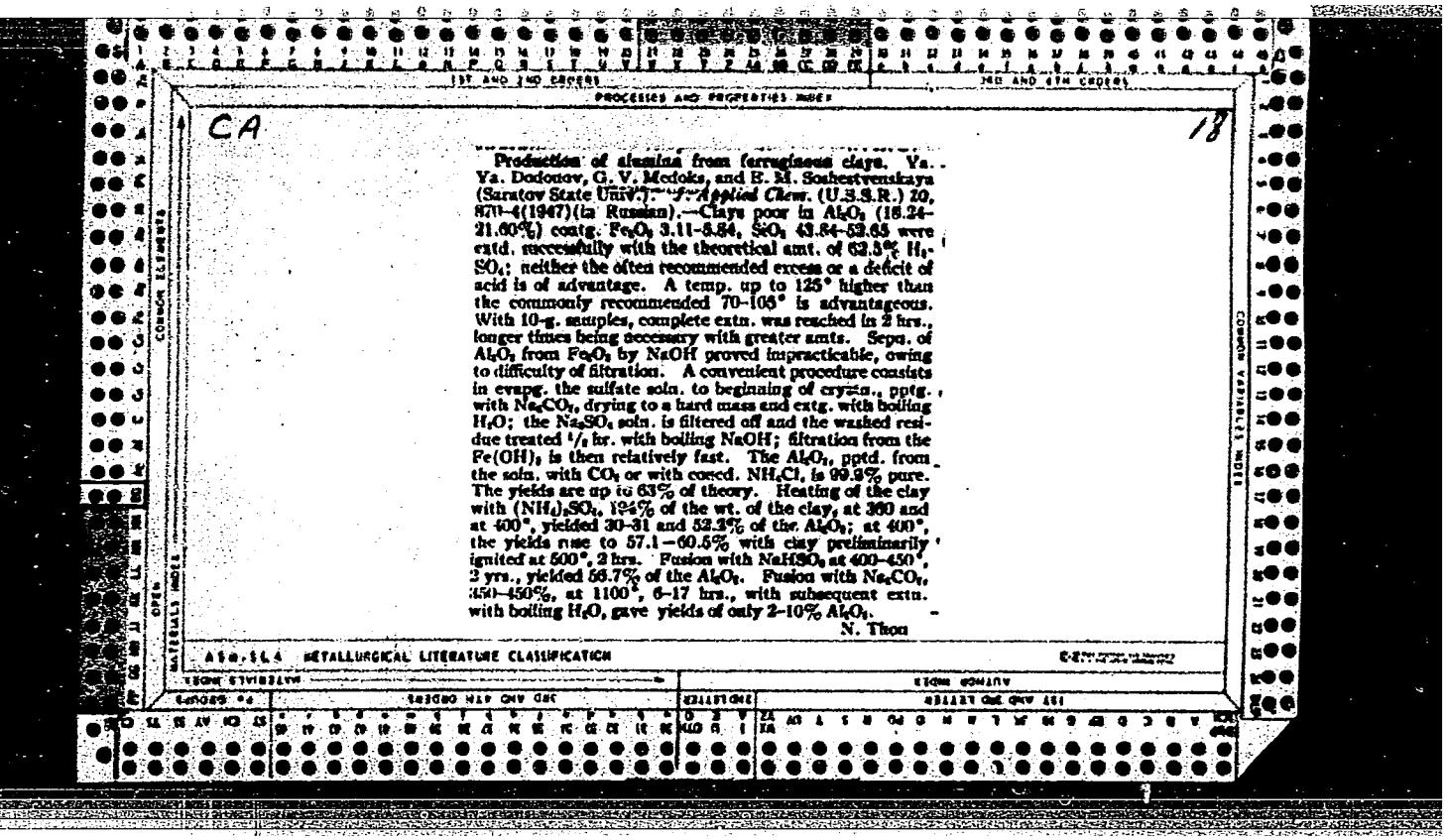

CA 18

Production of alumina from ferruginous clays. Ya. Ya. Dodonov, G. V. Medoks, and E. M. Soshestvenskaya (Saratov State Univ.). *Zh. Prikladnoi Khim.* (U.S.S.R.) 20, 870–4(1947)(in Russian).—Clays poor in Al_2O_3 (16.24–21.60%) contg. Fe_2O_3 3.11–5.84, SiO_2 43.84–52.65 were extd. successfully with the theoretical amt. of 62.5% H_2SO_4; neither the often recommended excess or a deficit of acid is of advantage. A temp. up to 125° higher than the commonly recommended 70–105° is advantageous. With 10-g. samples, complete extn. was reached in 2 hrs., longer times being necessary with greater amts. Sepn. of Al_2O_3 from Fe_2O_3 by NaOH proved impracticable, owing to difficulty of filtration. A convenient procedure consists in evapg. the sulfate soln. to beginning of crystn., pptg. with Na_2CO_3, drying to a hard mass and extg. with boiling H_2O; the Na_2SO_4 soln. is filtered off and the washed residue treated ½ hr. with boiling NaOH; filtration from the $Fe(OH)_3$ is then relatively fast. The Al_2O_3, pptd. from the soln. with CO_2 or with concd. NH_4Cl, is 99.9% pure. The yields are up to 63% of theory. Heating of the clay with $(NH_4)_2SO_4$, 1:2 of the wt. of the clay, at 360 and at 400°, yielded 30–31 and 52.2% of the Al_2O_3; at 400°, the yields rose to 57.1–60.5% with clay preliminarily ignited at 500°, 2 hrs. Fusion with $NaHSO_4$ at 400–450°, 2 hrs., yielded 56.7% of the Al_2O_3. Fusion with Na_2CO_3, 450–450%, at 1100°, 6–17 hrs., with subsequent extn. with boiling H_2O, gave yields of only 2–10% Al_2O_3.

N. Thon

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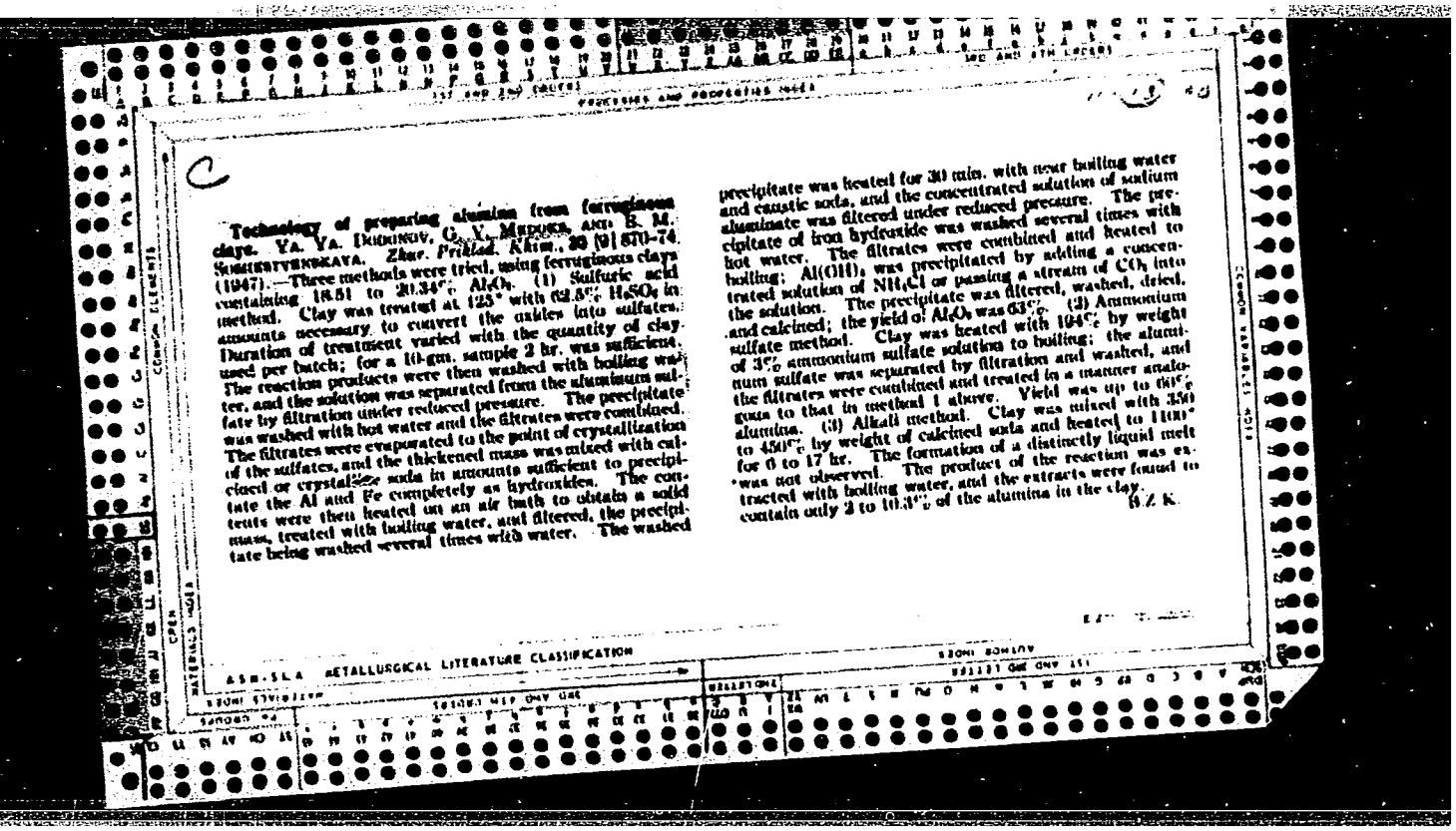

Technology of preparing alumina from ferruginous clays. YA. YA. DOBROVOLSKII, G. V. MEDUSHA, AND B. M. SHMERYVENSKAYA. *Zhur. Prikład. Khim.*, 20 [9] 870-74 (1947).—Three methods were tried, using ferruginous clays containing 18.51 to 20.34% Al_2O_3. (1) Sulfuric acid method. Clay was treated at 125° with 62.8% H_2SO_4 in amounts necessary to convert the oxides into sulfates. Duration of treatment varied with the quantity of clay used per batch; for a 10-gm. sample 2 hr. was sufficient. The reaction products were then washed with boiling water, and the solution was separated from the aluminum sulfate by filtration under reduced pressure. The precipitate was washed with hot water and the filtrates were combined. The filtrates were evaporated to the point of crystallization of the sulfates, and the thickened mass was mixed with calcined or crystalline soda in amounts sufficient to precipitate the Al and Fe completely as hydroxides. The concentrates were then heated on an air bath to obtain a solid mass, treated with boiling water, and filtered, the precipitate being washed several times with water. The washed precipitate was heated for 30 min. with near boiling water and caustic soda, and the concentrated solution of sodium aluminate was filtered under reduced pressure. The precipitate of iron hydroxide was washed several times with hot water. The filtrates were combined and heated to boiling; $Al(OH)_3$ was precipitated by adding a concentrated solution of NH_4Cl or passing a stream of CO_2 into the solution. The precipitate was filtered, washed, dried, and calcined; the yield of Al_2O_3 was 63%. (2) Ammonium sulfate method. Clay was heated with 194% by weight of 3% ammonium sulfate solution to boiling; the aluminum sulfate was separated by filtration and washed, and the filtrates were combined and treated in a manner analogous to that in method 1 above. Yield was up to 61% alumina. (3) Alkali method. Clay was mixed with 35% to 45% by weight of calcined soda and heated to 1100° for 0 to 17 hr. The formation of a distinctly liquid melt was not observed. The product of the reaction was extracted with boiling water, and the extracts were found to contain only 2 to 10.3% of the alumina in the clay.

B. Z. K.

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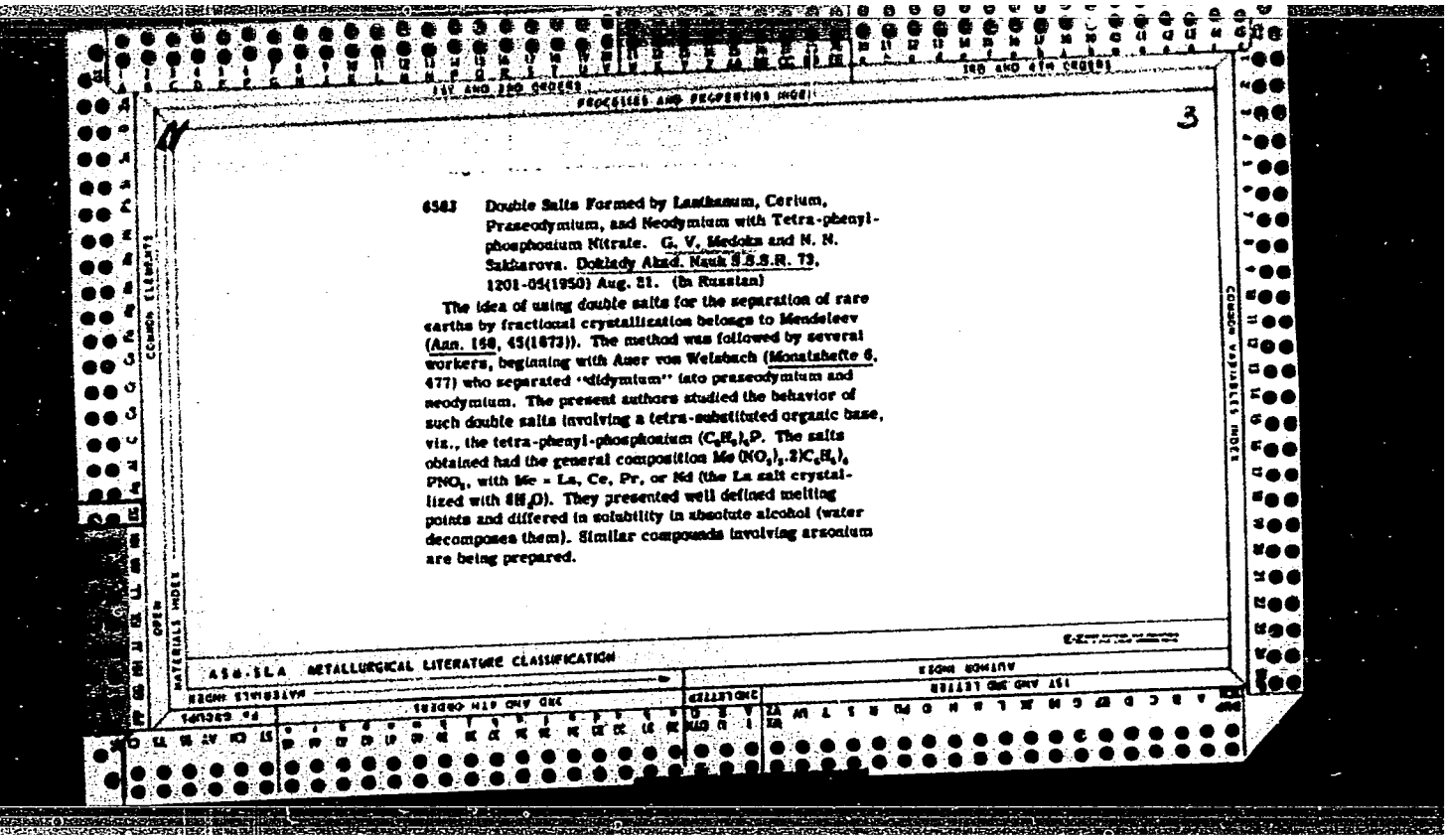

3

6583 Double Salts Formed by Lanthanum, Cerium, Praseodymium, and Neodymium with Tetra-phenyl-phosphonium Nitrate. G. V. Medoks and N. N. Sukharova. Doklady Akad. Nauk S.S.S.R. 73, 1201-03(1950) Aug. 21. (In Russian)

The idea of using double salts for the separation of rare earths by fractional crystallization belongs to Mendeleev (Ann. 168, 45(1873)). The method was followed by several workers, beginning with Auer von Welsbach (Monatshefte 6, 477) who separated "didymium" into praseodymium and neodymium. The present authors studied the behavior of such double salts involving a tetra-substituted organic base, viz., the tetra-phenyl-phosphonium $(C_6H_5)_4P$. The salts obtained had the general composition $Me(NO_3)_3 \cdot 2(C_6H_5)_4PNO_3$, with Me = La, Ce, Pr, or Nd (the La salt crystallized with $8H_2O$). They presented well defined melting points and differed in solubility in absolute alcohol (water decomposes them). Similar compounds involving arsonium are being prepared.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

USSR/Chemistry - Organophosphorus Compounds Nov 52

"Triphenylbiphenylphosphonium Salts," G. V. Medoks and V. F. Andronova, Chem Lab, Saratov Agri Inst

"Zhur Obshch Khim" Vol 22, No 11 pp 2058-2060

Triphenylaryl phosphonium and triphenylalkyl-phosphonium salts have recently assumed much greater practical significance, due to the use of some of them in analytical chemistry and for the sepn of elements quite similar in properties. These substances are also valuable as insecticides. They are also used for the protection of woolens and furs from moths. There is a possibility of these compds being used in medicine and also as plasticizers and dye fixatives. For the reaction of triphenylphosphine with halogen substituted compds of the aromatic series, a new catalyst (CuCl) has been proposed which has certain advantages over anhydrous $AlCl_3$ (side reactions are avoided, etc.). The salts of triphenyl-4-biphenyl-phosphonium and a soln of the free base were obtained.

(CA 47 no. 18: 9190 '53)

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238T41

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

G.V. MEDOKS, YE. M. SOSHESTVENSKAYA, N.N. SAKHAROVA Oct. 52

USSR/Chemistry - Phosphorous Organic Compcunds

"Preparation of Tetraphenylphosphonium Bromide," G. V. Medoks, Ye. M. Soshestvenskaya, N.N. Sakharova

Zhur Prik Khim, Vol 25, No. 10, pp 1111-1114

Q new variation of a method for preparing tetraphenylphosphonium bromide was develcped. It was demonstrated that the new method is preferable to the original variation described earlier. (Ya, Dodonov, G. Medoks, Berichte Vol 61, p.907,1928

(CA 47 no.19: 9931 '53)

263 T 54

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDOKS, G.V.; MASLOVA, L.A.

Preparation of phosphorus tribromide. Zhur.neogr.khim. 1 no.8: 1929-1930 Ag '56. (MLRA 9:11)

1. Saratovskiy sel'skokhozyaystvennyy institut.
(Phosphorus bromides)

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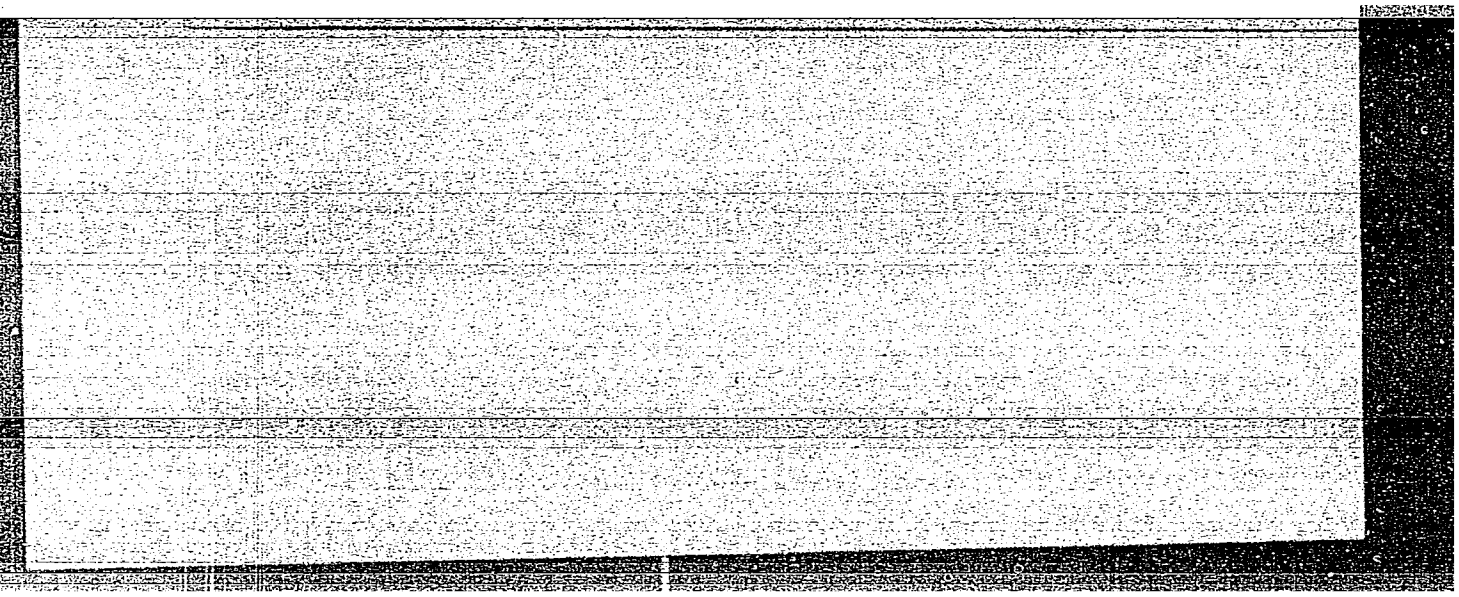

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDOKS, G.V.; SOSHESTVENSKAYA, Ye.M.

Interaction of phenylmagnesium bromide with silicon tetrachloride.
Zhur.ob.khim. 26 no.1:116-118 Ja '56. (MLRA 9:5)

1. Saratovskiy sel'skokhozyaystvennyy institut.
(Magnesium compounds) (Silicon chlorides)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDOKS, G.V.

Double salts of lanthanum, cerium, praseodymium, and neodymium with triphenylbenzylphosphonium nitrate. Zhur.ob.khim. 26 no.2: 382-384 F '56. (MLRA 9:8)

1. Saratovskiy sel'skokhozyaystvennyy institut.
(Rare earth metals) (Phosphonium compounds) (Salts, Double)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDOKS, G. V.

AUTHORS: Medoks, G.V., and Soshestvenskaya, Ye. M.

TITLE: Derivation of Nitrates of Tetrasubstituted Phosphonium and Arsonium Bases (O poluchenii nitratov chetyrekhzameshchennykh fosfoniyevykh i arsoniyevykh osnovaniy)

PERIODICAL: Zhurnal Obshchey Khimii, 1957, Vol. 27, No. 1, pp. 271-272 (U.S.S.R.)

ABSTRACT: Nitrates of tetrasubstituted phosphonium and arsonium bases can be used in analytical chemistry and for the derivation of double bonds with nitrates of rare earth elements which in many instances differ in solubility and melting point. Such nitrates are usually prepared by nitric acid neutralization of the free bases which in turn are obtained from the reaction of halide salts with a suspension consisting of water and silver oxide or through double decomposition of halide bases with silver nitrate, and in some cases also with nitric acid. A method of obtaining nitrates of tetrasubstituted phosphonium and arsonium bases from ammonium chlorides, or bromides and nitrate without the application of silver compounds, is described. Taking into consideration the poor water-solubility of certain nitrates of phosphonium and arsonium bases as compared with homologous

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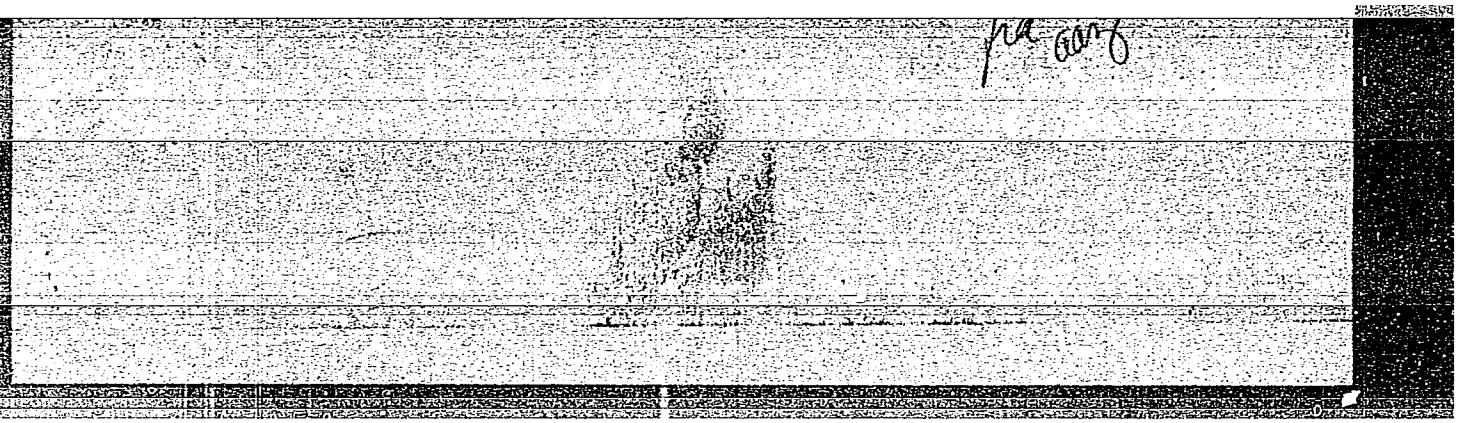

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

Medoks, G. V.

AUTHOR: Medoks, G. V. 20-6-20/47

TITLE: On the Double Salts of Lanthanum, Cerium, Praseodymium and Neodymium With Triphenylbenzylarsonium Nitrate (O dvoynykh solyakh lantana, tseriya, prazeodima i neodima s nitratom trifenilbenzilarsoniya)

PERIODICAL: Doklady AN SSSR, 1957, Vol. 117, Nr 6, pp. 993-995 (USSR)

ABSTRACT: As it was already found earlier (referendes 1, 2), tetraphenylphosphonium-nitrate and -chloride form the double salts, mentioned in the title, with the nitrates and chlorides of the above-mentioned four metals. These salts may be well crystallized from ethanol and several other organic solvents. Water decomposes them into their components. In dissolving such compounds in organic solvents a partial dissociation of the complex ions takes place. This dissociation is intensified by addition of chloroform, as it forms crystal-"solvates" with these salts which are well soluble in chloroform. The above-mentioned double salts of such related elements as neodymium and praseodymium have a very different solubility. It become evident, that triphenylbenzyl-arsonium-hydroxy-nitrate is comparatively easily

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

On the Double Salts of Lanthanum, Cerium, Praseodymium and Neodymium With Triphenylbenzylarsonium Nitrate 20-6-20/47

accessible and is at the same time capable of forming these double salts with the nitrates of the elements of the cerium-group. The crystallize from ethanol as small plates which have different melting points and which are under the action of water decomposed into their components. From 96° ethyl alcohol these nitrates were separated without water or alcohol of crystallization and corresponded to the composition: $E(NO_3)_3.2(C_6H_5.CH_2)AS)NO_3$, where E is an atom of La, Ce, Pr or Nd. The solubility of these double salts in ethanol decreased from the lanthanum- to the neodymium-salt, i. e. with increasing stability of the complex ion $(E(NO_3)_5)^{-2}$. The solubility on that occasion was higher than that of the corresponding double salts of tetraphenyl-phosphonium-hydroxide. In a kind of experimental part the production-specifications together with the constants and the properties of the above-mentioned substances are described. There are 4 references, 2 of which are Slavic.

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

On the Double Salts of Lanthanum, Cerium, Praseodymium and Neodymium With Triphenylbenzylarsonium Nitrate 20-6-20/47

ASSOCIATION: Saratov State Agricultural Institute (Saratovskiy gosudarstvennyy sel'skokhozyaystvennyy institut)

PRESENTED: October 3, 1957, by I. I. Chernyayev, Academician.

SUBMITTED: February 10, 1955

AVAILABLE: Library of Congress

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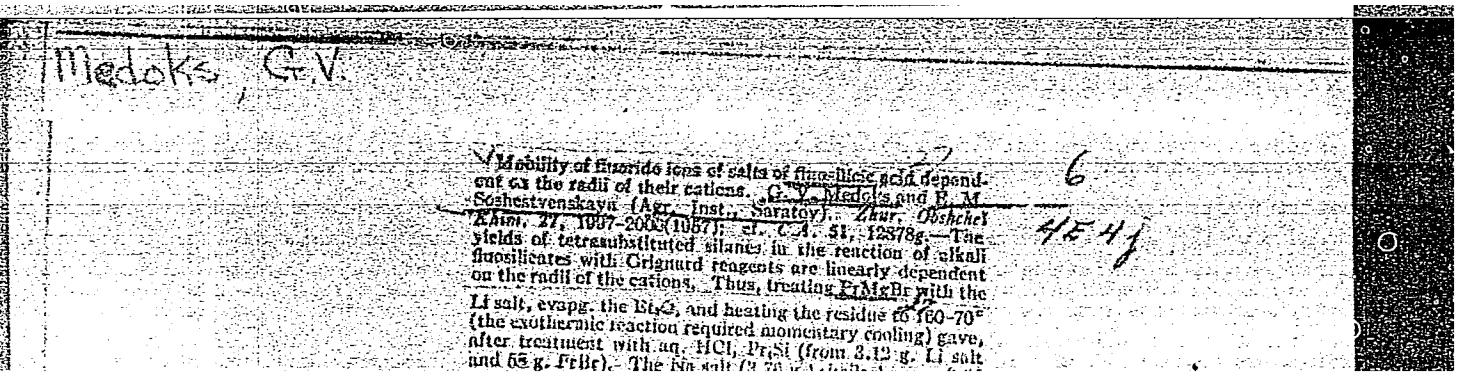

Medoks, G.V.

Mobility of fluoride ions of salts of fluosilicic acid dependent on the radii of their cations. G. V. Medoks and E. M. Soshestvenskaya (Agr. Inst., Saratov). *Zhur. Obshchei Khim.* 27, 1997-2003(1957); cf. *C.A.* 51, 12878g.—The yields of tetrasubstituted silanes in the reaction of alkali fluosilicates with Grignard reagents are linearly dependent on the radii of the cations. Thus, treating PrMgBr with the Li salt, evapg. the Et_2O, and heating the residue to 160–70° (the exothermic reaction required momentary cooling) gave, after treatment with aq. HCl, Pr_4Si (from 3.12 g. Li salt and 65 g. PrBr). The Na salt (2.70

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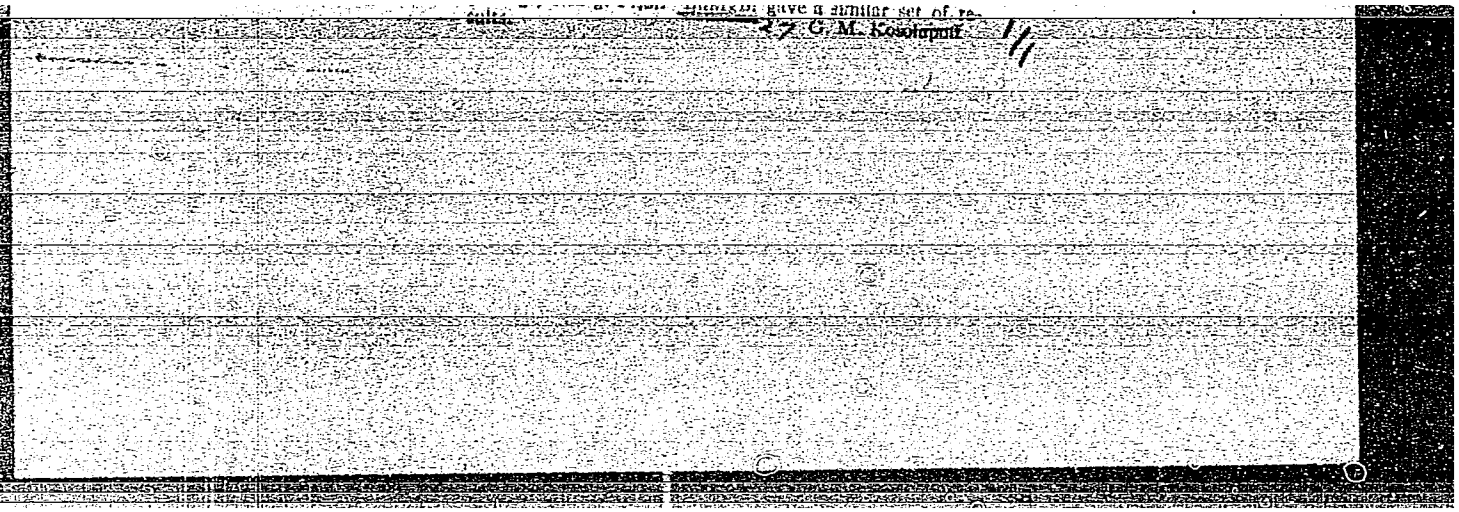

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDOKS, G.V.; MASLOVA, L.A.

Volumetric analysis of manganese by means of tetraphenylphosphonium salts. Izv.vys.ucheb.zav.; khim.i khim.tekh. 3 no.6:1103-1104 '60. (MIRA 14:4)

1. Saratovskiy sel'skokhozyaystvennyy institut, kafedra organicheskoy i neorganicheskoy khimii.
(Manganese—Analysis)

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

S/079/60/030/05/51/074
B005/B125

AUTHORS: Medoks, G. V., Ozerskaya, L. Ye.

TITLE: The Problem of the Production of n-Amyl Alcohol From Trioxymethylene and n-Butyl Magnesium Bromide

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 5, pp. 1643-1644

TEXT: The authors of the present report synthesized n-amyl alcohol from trioxymethylene and n-butyl magnesium bromide with the aid of a Grignard reaction. The organo-magnesium compound was added in a 9.6 per cent excess with respect to the stoichiometrically required amount. With the aid of this method n-amyl alcohol can be produced with a yield of 92.3% of the theoretical. The carrying out of the synthesis is thoroughly described in an experimental part. After mixing the two initial products in absolute ether, the flask has to be cooled with cold water. The reaction mixture is then kept for five days at 25-26° with periodic shaking. One thus succeeds in solidifying the reaction products. The mixture is then cooled with ice-water and cautiously decomposed with ten-per cent hydrochloric acid, whereby butane is removed. The ethereal layer is separated,

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washed with a saturated sodium bisulfite solution, and then kept over a saturated sodium bisulfite solution for two days with periodic shaking, until the reaction on formaldehyde with Schiff's reagent proves negative. Here, the ethereal solution is filtered and dried over calcium carbonate. After distilling the ether in the double boiler, the oily liquid is fractionated. The fraction with the boiling range 137.6-138.2° is the desired product. When the synthesis is carried out under analogous conditions but without the careful separation of the unused trioxymethylene described, a product is obtained which must be separated from the di-n-amyl-formal impurity by fractionating several times. This impurity forms in the course of the distillation from n-amyl alcohol and the trioxymethylene still present. There are 3 references.

ASSOCIATION: Saratovskiy sel'skokhozyaystvennyy institut (Saratov Institute of Agriculture)

SUBMITTED: May 11, 1959

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDOKS, T. S.

PA 12/49T88

USSR/Medicine - Food Poisoning May 48
Medicine - Food, Sanitation

"Prophylactic Measures Against Food Poisoning," T. S. Medoks, 4 pp

"Fel'dsher i Akusherka" No 5

Lists causes of food poisoning.. Describes prophylactic measures.

[redacted] 12/49T88

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDOKS, T. S.

25952. Medoks, T. S. Sanitarno-gigienicheskiye trebovaniya K obshchestvennomu pitaniyu v polevykh sel'skokhozyaystvennykh brigadakh. Fel'dsheri akusherka, 1949, No 7, s. 33-38

SO: Knizhnaya Letopis', Vol. 1, 1955

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDOKS, T.S., vrach.

Carbonated water. Zdorov'e 4 no.9:30 S '58 (MIRA 11:10)
(CARBONATED BEVERAGES)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDOKS, T.S., vrach

Is saccharin harmful? Zdorov'e 5 no.4:31 Ap '59. (MIRA 12:4)

(SACCHARIN)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDOKS, T.S., vrach

Preserving fruits and vegetables at home. Zdorov'e 6 no.8:30 Ag '60. (MIRA 13:8)

(CANNING AND PRESERVING)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

KOVARSKIY, A.G.; MEDOKS, T.S.; Prinimali uchastiye: GLEBOVA, L.F.; SMIRNOV, S.M.; YANIN, L.V.; ZHDANOV, V.M., prof., red.; KHRISTOV, L.N., red.; KNAKNIN, M.T., tekhn. red.

[Collection of official materials relating to laboratory work] Sbornik ofitsial'nykh materialov po laboratornomu delu. Moskva, Medgiz. Book 1. [Manual for laboratory doctors, sanitation doctors, and epidemiologists] V pomoshch' vrachamlaborantam, sanitarnym vracham i vracham-epidemiologam. 1961. 462 p. (MIRA 15:2)

(MEDICAL LABORATORIES) (BIOLOGICAL LABORATORIES) (CHEMICAL LABORATORIES)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

KOVARSKIY, A.G.; MEDOKS, T.S.; ZHDANOV, V.M., prof., red.; KHRISTOV, L.N., red.; ZAKHAROVA, A.I., tekhn. red.

[Collection of official materials relating to laboratory work] Sbornik ofitsial'nykh materialov po laboratornomu delu. Moskva, Medgiz. Book 2. [Manual for technicians in laboratories and sanitation and epidemiological stations, and for sanitation doctors and epidemiologists] V pomoshch' rabotnikam laboratorii, sanitarno-epidemiologicheskikh stantsii, sanitarnomu vrachu, vrachu-epidemiologu. 1961. 967 p. (MIRA 15:2)
(MEDICAL LABORATORIES) (BIOLOGICAL LABORATORIES)
(CHEMICAL LABORATORIES)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

SKEP'YAN, N.A., vrach; MELOKS, T.S., vrach; SIDEL'NIKOVA, T.Ya., kand. med.nauk; GUNDOROVA, R.A., kand.med.nauk; KRISTMAN, V.I., kand. med.nauk; GUSAROVA, A.S., kand.med.nauk; MARSHAK, M.S., prof.

How to keep well. Zdorov'e 8 no.12:28-29 D '62. (MIRA 16:1)
(HYGIENE)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDOKS, T.S., NEFED'YEVA, N.P., starshiy nauchnyy sotrudnik

Organization of sanitary supervision and scientific work in the field of food hygiene in Rumania. Gig. i san. 28 no.1:90-94 Ja'63. (MIRA 16:7)

1. Iz Ministerstva zdravookhraneniya SSSR i Instituta pitaniya AMN SSSR.
2. Starshiy gosudarstvennyy sanitarnyy inspektor Ministerstva zdravookhraneniya SSSR (for Medoks)

(RUMANIA—FOOD INDUSTRY—SANITATION)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

PROKOF'YEV, Vasiliy Platonovich; SUPONITSKIY, M.Ya., dots., kand. med. nauk, retsenzent; STREMLINA, S.M., retsenzent; MEDOKS, T.S., retsenzent; VUL'FOVICH, V.O., spets. red.; RAUBE, P.V., inzh., spets. red.; FUKS, V.K., red.

[Industrial sanitation in food industry enterprises] Proizvodstvennaia sanitariia na predpriiatiiakh pishchevoi promyshlennosti. Moskva, Pishchevaia promyshlennost', 1964. 295 p. (MIRA 18:3)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

24.6716

S/058/62/000/004/138/160
A061/A101

AUTHORS: Golubkov, P. V., Bakhrakh, L. E., Kozel', I. Sh., Kozlov, I. G., Medoks, V. G.

TITLE: A study of some electron beam properties

PERIODICAL: Referativnyy zhurnal, Fizika, no. 4, 1962, 16, abstract 4Zh106 "Uch. zap. Saratovsk. un-t", 1960, v. 69, 41 - 56)

TEXT: This is a report of results obtained from theoretical and experimental investigations of the structure of long electron beams of different configurations, moving in focusing fields. The pulsation factor of the internal and external boundaries of the hollow-cylindrical electron beam focused in constant and intermittent magnetic fields is calculated and represented graphically. It is shown how the pulsation factor can be restricted to given limits in a wide range of the beam voltage variation. Formulas and the respective diagrams concerning the pulsation of the internal and external boundaries of the hollow-cylindrical electron beam in centrifugal and electrostatic focusing are obtained. It is shown that pulsation is determined by the radial ratio of the internal and

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S/058/62/000/004/138/160
A061/A101

A study of some electron beam properties

external boundaries of the beam. The effect of the space charge is considered. The density distribution over the cross section of the electron beam and the pulsation factor of its boundaries are experimentally investigated using a special mobile system of collectors. The curves of density distribution are plotted from (experimental) points, and are also observed by oscilloscope. The strip beam and the hollow-cylindrical beam in the longitudinal magnetic field are investigated. The distribution of electron velocities in electron beams is investigated experimentally. A cylindrical capacitor is used as velocity analyzer. The study was conducted in different beam cross sections, in a significant range of accelerating voltages and at different pressures of the residual gas. The existence of two maxima in the curve of velocity distribution is shown. The possible causes of this phenomenon are considered.

G. Sh.

[Abstracter's note: Complete translation]

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34036
S/109/62/007/001/014/027
D266/D301

9,3130 (1003, 1140, 1141)

AUTHORS: Bakhrakh, L.E., and Medoks, V.G.

TITLE: Effect of thermal velocities on the spread of an electron beam

PERIODICAL: Radiotekhnika i elektronika, v. 7, no. 1, 1962, 120 - 125

TEXT: The purpose of the paper is to study the electron trajectories of an electron beam in the presence of transverse thermal velocities. A simple model is adopted where an electron beam, obtained from a convergent gun, expands under the influence of its own space-charge forces. The authors begin the analysis with Newton's equation for the motion of an outer electron of a cylindrical electron beam. Assuming a slowly varying beam diameter the space-charge force is obtained from the Gauss theorem in the usual manner. Thermal velocities are taken into account by assuming that the electrons obey the gas laws. The pressure is then calculated and the force is obtained in the form $p_1 = 2kT/r$ where k - Boltzman constant, T - ab-

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solute temperatures, r - radius of the outer electron. Using the equation $Tr^2 = T_c r_c^2$ where T_c - cathode temperature, r_c - cathode radius, the authors arrive at:

$$\frac{d^2R}{dX^2} = \frac{A}{2R} + \frac{B}{R^3} \qquad (4)$$

where R and X are normalized variables, and A and B are constants. Integrating (4) twice (first analytically and then numerically) the trajectory of the outer electron is obtained. The author compares his results with the more rigorous theory of W.E. Danielson et al. (Ref. 2: B.S.T.J. 1956, 35, 2, 375) and claims that his method leads roughly to the same agreement with experiments. Similar calculations are conducted for beams of a rectangular cross-section, in which case the trajectory equation is obtained in terms of tabulated functions (elliptic integrals). There are 7 figures and 5 references: 2 Soviet-bloc and 3 non-Soviet-bloc. The references to the English language publications read as follows: C.C. Cutler, M. E. Hines, Proc. IRE,1955, 43, 3, 307; W.E. Danielson, J.L. Rosen-

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

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S/109/62/007/001/014/027
D266/D301

Effect of thermal velocities on the ... feld, J.A. Saloom, Bell system Techn. J., 1957, 35, 2, 375.

SUBMITTED: June 19, 1961

Card 3/3

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

ACCESSION NR: AP4009984 S/0109/64/009/001/0126/0131

AUTHOR: Bakhrakh, L. E.; Medoks, V. G.

TITLE: Thermal velocity effect in magnetically-focused electron beams

SOURCE: Radiotekhnika i elektronika, v. 9, no. 1, 1964, 126-131

TOPIC TAGS: electron tube, electron beam, electron beam tube, magnetically focused electron beam, thermal velocity effect

ABSTRACT: On the basis of the authors' simplified method (Radiotekhnika i elektronika, 1961, 6, 4, 656) and J. R. Pierce's, et al. fundamental relations (J. Appl. Phys., 1953, 24, 10, 1328), the effect is evaluated of thermal velocities in cylindrical and ribbon electron beams focused by a longitudinal magnetic field, with any degree of cathode shielding and with an allowance for the space charge. Good agreement is noted between the results of the authors' formulas and those of "more rigorous calculations" obtained by A. Szabo (IRE

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ACCESSION NR: AP4009984

Trans., 1958, ED-5, 3, 183) and C. C. Cutler, et al. (Proc. IRE, 1953, 43, 3, 307). Orig. art. has: 6 figures and 7 formulas.

ASSOCIATION: none

SUBMITTED: 10Dec62	DATE ACQ: 10Feb64	ENCL: 00
SUB CODE: GE	NO REF SOV: 004	OTHER: 003

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"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

L 5090-66 EWT(l)/EPA(w)-2/EWA(m)-2 IJP(c) AT
ACCESSION NR: AP5020123 UR/0109/65/010/008/1461/1466
539.124.18.043

AUTHOR: Bakhrakh, L. E.; Medoks, V. G.

TITLE: Effect of thermal velocities in a periodic electrostatic focusing of electron beams

SOURCE: Radiotekhnika i elektronika, v. 10, no. 8, 1965, 1461-1466

TOPIC TAGS: electron beam

ABSTRACT: The effect of transverse thermal velocities of electrons upon the geometrical parameters of cylindrical and ribbon-type electron beams formed by a periodic electrostatic focusing is theoretically evaluated. It is found that the minimum pulsation condition, neglecting the thermal effect, can be accepted as a satisfactory approximation only with $\mu \approx 1$, where $\mu = U_2/U_1$; U_1 and U_2 are the potentials on the diaphragms. For values μ essentially different from 1, the thermal-velocity effect increases and may result in considerable pulsations of the

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ACCESSION NR: AP5020123

boundaries of a cylindrical electron beam. In the case of a ribbon beam, the effect of thermal velocities may become considerable under certain focusing conditions and with thin beams. Orig. art. has: 5 figures and 26 formulas.

ASSOCIATION: none

SUBMITTED: 14May65 ENCL: 00 SUB CODE: EC, NP

NO REF SOV: 004 OTHER: 000

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APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

JUKNEVICIUS, J.; KARVELIS, Vyt.; KATINAS, J.; MEDONIS, Ar., red.

[Anyksciai and vicinity] Anyksciai ir ju apylinkes. Vilnius, Valstybine politines ir mokslines lit-ros leidykla, 1959. 25 p. [In Lithuanian] (MIRA 18:1)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

MEDONIS, A.; FRIDAITE, I., red.; VYSHOMIRSKIS, Ch.[Visomirskis, C.], tekhn. red.

[Druskininkay] Druskininkai. Vil'nius, Gos. izd-vo polit. i nauchn. lit-ry Litovskoi SSR, 1961. pamphlet. (MIRA 15:3)
(Druskininkay--Description)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

SALUGA, R.; MEDONIS, A., red.; VYSOMIRSKIS, C., tekhn. red.

[Kernave] Kernave. Vilnius, Valstybine politines ir moklines literaturos leidykla, 1960. 1 v. (MIRA 15:5)
(Kernave region—Description and travel)

APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7"

"APPROVED FOR RELEASE: 07/12/2001 CIA-RDP86-00513R001033220003-7

LEBEDEVA, Yu.A.; MASKALOV, V.D.; CHUKOV, S.V.; CHUMAKOV, V.I.; KAPLANAS, O.[translator]; MEDONIS, A., red.

[Protection against mass destruction weapons] Kaip saugotis nuo masinio naikinimo ginklo. Vilnius, Valstybine politines ir mokslines literaturos leidykla, 1962. 31 p. (MIRA 16:5)
(Civil defense)

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(Lithuania—Description and travel)

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